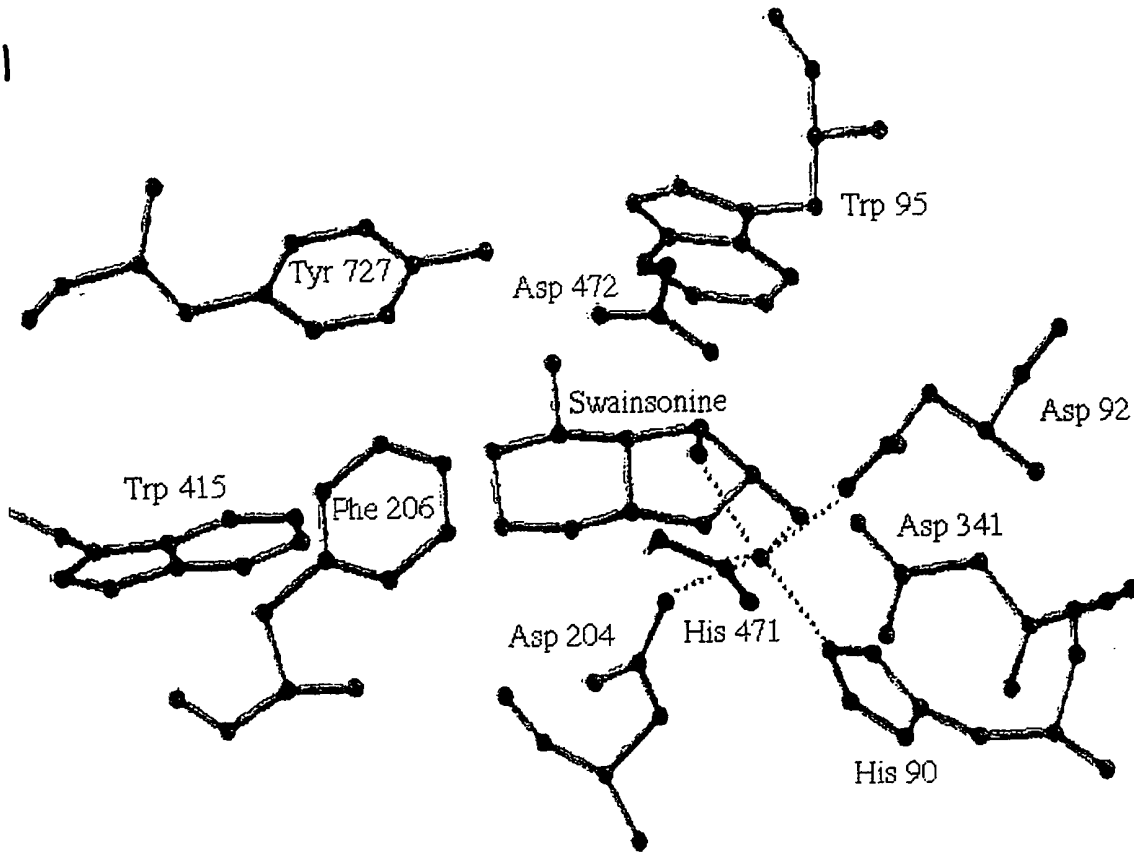


Fig. 1



D **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z**

Fig. 2



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Fig. 3

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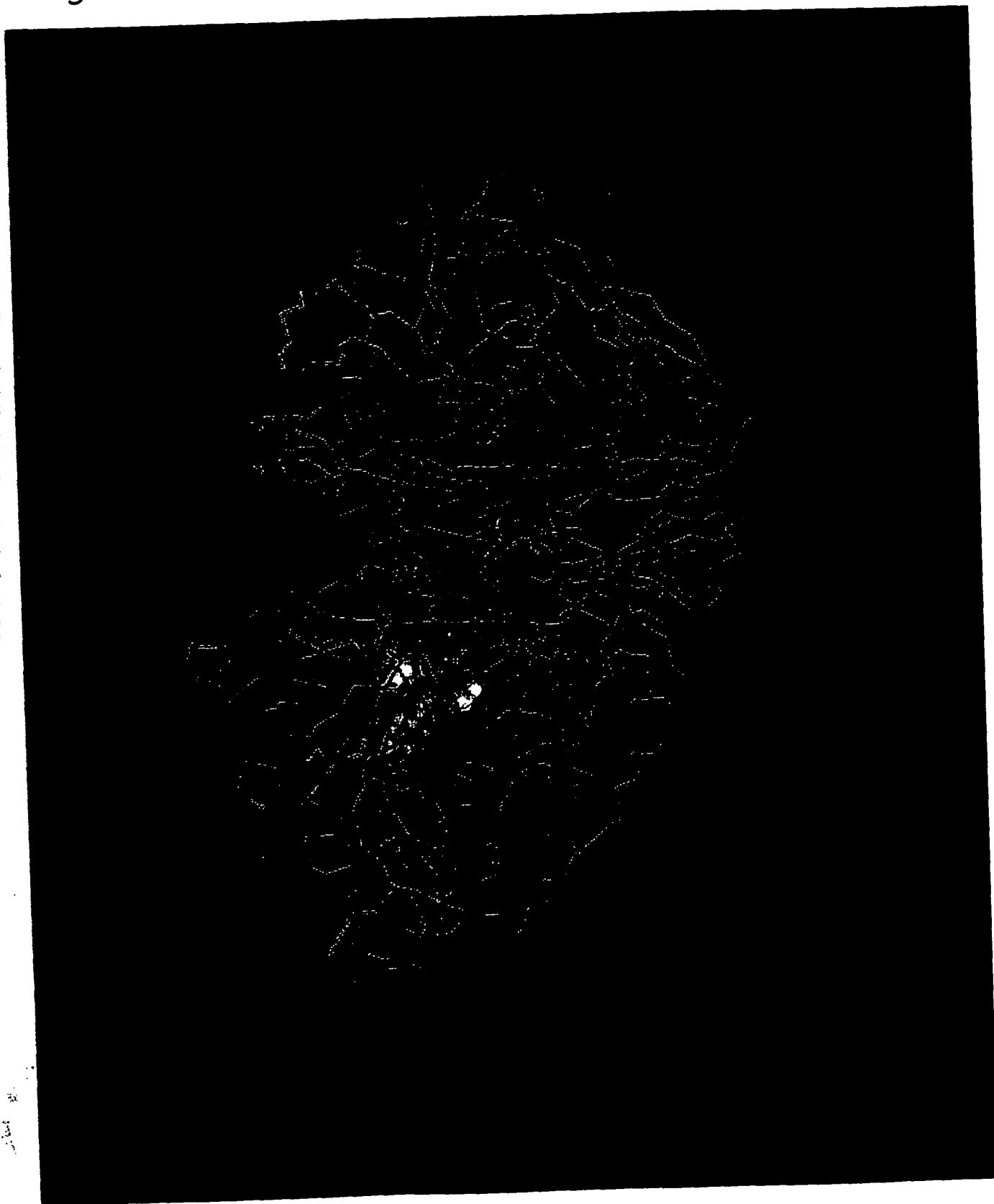
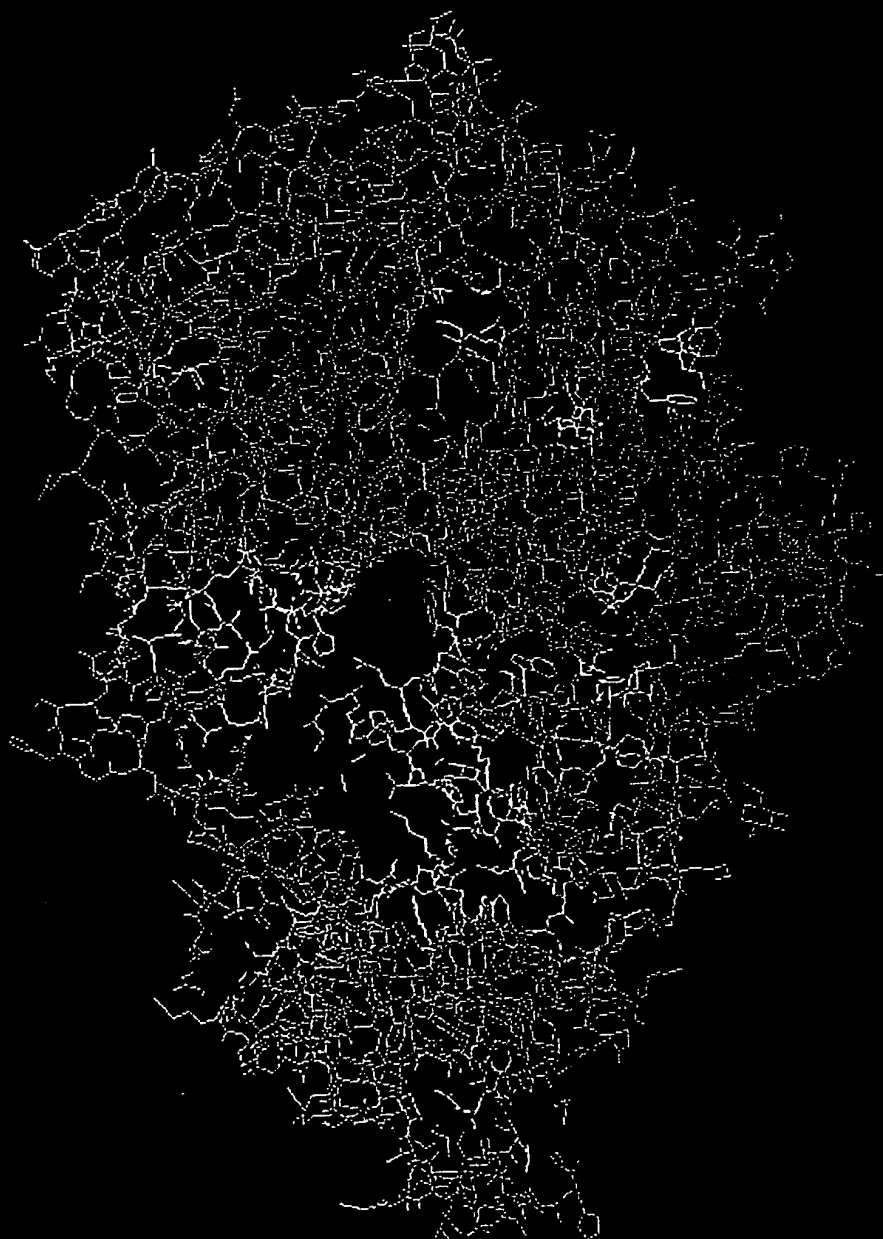
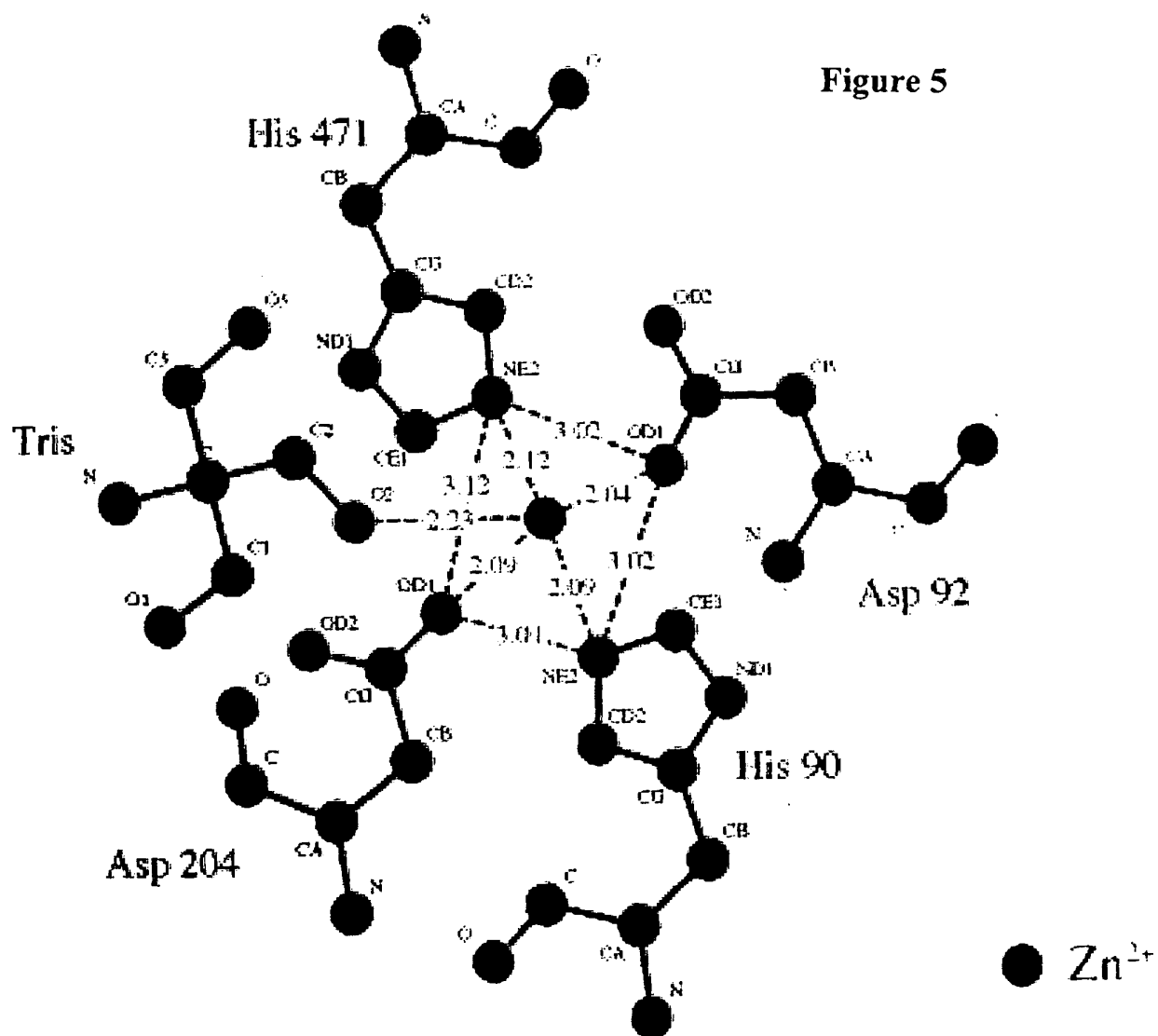


Fig. 4



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Figure 5



pMT/BIP-N-HIS-dGMII [851 to 4042] -> 1-phase Translation

DNA sequence 6642 b.p. TCGCGGTTTCG ... AGGCCCTTTCGT circular

N-HIS added to pMTV5HisA (b/t BglIII/EcoRI) for drosophila expression of tagged proteins.
Add drosophila dGMII from clone D11 (shortened 3') DAK/Tara 15-3-99

Figure 6

851/1
atg AAG TTA TGC ATA TTA CTG GCC GTC GTG
H K L C I L L A V V
941/31
gac gat cca ata aga cct cca ctt aaa gtg
D D P I R P P L K V
1031/61
gta cag atg ctg gag cta tac gat cgc atg
V Q M L E L Y D R M
1121/91
ctg aag tac aac gcc cat cac aca cta aaa
L K Y N A H H K L K
1211/121
tac cag cac gac acc aag cac atc ctg tcc
Y Q H D T K H I L S
1301/151
tac ttt gct cgg ttc tat cac gat ttg gga
Y F A R F Y H D L G
1391/181
gga gga tgg gta atg cgg gac gag gcc aac
G G W V M P D E A N
1481/211
atg aat gtc aca ccc act gct tcc tgg gcc
M N V T P T A S W A
1571/241
aat atg ctt atc caa agg acg cac tat tgg
M H L I Q R T H Y S
1661/271
aac aaa ggg gac aca gct ctc ttc acc cac
N K G D T A L F T H
1751/301
tgt cag ttc gat ttc aaa cga atg ggc tcc
C Q F D F K R M G S
1841/331
gca cgc tca gat ctg ctg gtt gat cag tgg
A R S D L L V D Q W
1931/361
cgc ttc aag cag aac acc gag tgg gat gtg
R F K Q N T E W D V
2021/391
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Q A Q F G T L Q E Y
2111/421
gac ttt ttc aca tac gcc gat cga tog gat
D F F T Y A D R S D
2201/451
atg cac tat gta cgt gca gca gaa atg ctt
M H Y V R A A E M L
2291/481
agg gag ctg tca ttg ttc cag cac cac gac
R E L S L F Q H H D
2381/511
gct tta aaa gcc tgt caa atg gta atg caa
A L K A C Q M V M Q
2471/541
tac ttt acg ctc gac gac tcc cgc tgg cca
Y F T L D D S R W P
2561/571
aag cat gtg gtg atg cac aac acc ctg ccc
K H V V M H N T L P
2651/601
ttg gca aac aat cgg gtg gag gct cag gtg
L A N N P V E A Q V
2741/631
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T T K Y R I I F K A
2831/661
cac acc tgc tat gca tgc aat ctc ttg ctc
H T S Y A S N L L L
2921/691
cct cga gag atc tca ttg cgg gtt ggt aac
P R E I S L R V G N
3011/721
agc cca cat gta cgg gtg cac ttc aag ttc
S P H V P V H F K F
3101/751
gga cca gct tgc cca gtc gag ctt ggc cag
G P A S P V E L G Q
3191/781
gtg gtg cag cag atg ata atg ggt ggt
V V H Q T I M R G G
3281/811
cgc ttg gag acg cat atc gac agc ggc GAT
R L E T H I D S G D
881/11
GCC TTT GTT GGC CTC TOG CTC GGG aga tct
A F V G L S L G R S
971/41
gct cgt tcc cgg agg cca ggg caa tgc caa
A R S P R P G Q C Q
1061/71
tcc ttc aag gac ata gat gga ggc gtg tgg
S F K D I D G G V W
1151/101
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N A L R H L H D N P
1241/131
aat gca cta cgg cat ctg cac gac aat ccc
N A L R H L H D N P
1331/161
gag aac aaa aag ctg cag atg aag tcc att
E N K K L Q M K S I
1421/191
tcc cag tgg cga aac gta ctg ctg cag ctg
S H W R N V L L Q L
1511/221
atc gat ccc ttc gga cac agt ccc act atg
I D P F G H S P T M
1601/251
gtt aag aag gaa ctg gcc caa cag cga cag
V K K E L A Q Q R Q
1691/281
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M H P F Y S Y D I P
1781/311
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F G L S C P W K V P
1871/341
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K K K A E L Y R T N
1961/371
cag cgc gtg aac tac gaa agg ctg ttc gaa
Q R V N Y E R L F E
2051/401
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F D A V H Q A E R A
2141/431
aac tat tgg agt ggc tac tac aca tcc cgc
N Y W S G Y Y T S R
2231/461
tcc gcc tgg cac tcc tgg gac ggt atg gcc
S A W H S W D G M A
2321/491
ggt ata act ggc aca gca aaa acg cac gta
G I T G T A K T H V
2411/521
cag tgc gtc tac cga ttg ctg aca aag ccc
S V Y R L L T K P S
2501/551
gga tct ggt gtg gag gac agt cga acc acc
G S G V E D S R T T
2591/581
cag tgg cgg gag cag ctg gtg gac ttt tat
H W R E Q L V D F Y
2681/611
tcc cgg gtg tgg agc tgg cac cac gac aca
S P V W S W H H D T
2771/641
cgg gtg cgg ccc atg ggc ttg gcc acc tac
R V P P M G L A T Y
2861/671
cgt aaa aac cgg act tog tta cca ttg ggc
R K N P T S L P L G
2951/701
gga ccc acc ttg gcc ttt tog gag cag ggt
G P T L A F S E Q G
3041/731
ctc aag tat ggc gtt cga tog cat ggc gat
L K Y G V R S H G D
3131/761
cca gtc gtc ctg gtg act aag ggc aaa ctg
P V V L V T K G K L
3221/791
gca cct gag att cgc aat ctg gtg gat ata
A P E I R N L V D I
3311/821
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I F Y T D L N G L Q
911/21
agc cac cat cat cat cat cac gga gaa TTC
S H H H H H H G E F
1001/51
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1091/81
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K Q G W N I K Y D P
1181/111
cct gga tgg att cag acg ttt gag gaa tac
P G W I Q T F E E Y
1271/141
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1451/201
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1541/231
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1631/261
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1721/291
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1811/321
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2081/411
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P Y H K R M D R V L
2261/471
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R I E E R L E Q A R
2351/501
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V V D Y E Q R M Q E
2441/531
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2531/561
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2621/591
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2801/651
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2891/681
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2981/711
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Q R V G Y V L H R T N L M Q C G T P E E H T Q K L D V C H L
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101 HLL...PQUSLESVTVUQVLCVPSGSGSINSVDVUQVSLVSTFNPDOOVW 148
63 KQONIKTQPLTKAHKHLVTVVPHISBNDQVOTTFETITQVPHILLS 112
149 KQOTVITVSENGOT...EPQVTVVPHISBNDQVOTTFETITQVPHILLS 197
113 NALHULHJHNPENKTWASISAFBFTDZBKZLQKHSIVVQDQVSVPT 162
198 NMYLKLKEDSRKATVMSISITLSNMWDITDIOKEDVAKVLEIROPLEVT 247
163 GOMFDPDANSHWVUWVLTITQVTVLQVTPVTVVPAVNAIDPDSHSPN 212
248 GOMFDPDATHYATLIDLLIBQHQLEMTOTVPSADOLPDSHSPN 297
213 PYLQKQSFQKHLTQHTNSVSKLEAQORULBFTVQDQVOTKQDQVLTN 262
298 ATYLAKRASHKLTQVTVVATVAFKHLKLTBFPMQVQDQVQVSTDLCH 347
363 HMYSTIDIPHTCQDPPVCCQFQFQKMGDFQOLCSFQVVPVPTISQVNA 312
363 HMYSTIDIPHTCQDPPVCCQFQFQKMGDFQOLCSFQVVPVPTISQVNA 312
314 ARSDLVQKQVAKVATVUQVLLPQDQFQFQKMGDFQVVPVPTISQVNA 362
398 SEARMLDQVYKSTSLFTVTVLVLQDQDFTVYCTVETVMDQVOTVQDQV 447
363 HNSQVMPVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQV 408
448 THNSQVMPVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQV 497
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498 DRQDQVNSQVTVTSVPHKRDQVQVQVQVQVQVQVQVQVQVQVQV 547
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600 QDVLXTVINGQSTVTVVILFPAVQVQVQVQVQVQVQVQVQVQVQV 649
692...DT...ANTV...ESTAVLSFPAHLPPLQVQVQVQVQVQVQVQV 732
650 LLURQVTVPLQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQV 699
733 PQVTVKQV...DSQVTVQVQVQVQVQVQVQVQVQVQVQVQVQVQV 780
700 QQDSHVPQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQV 740
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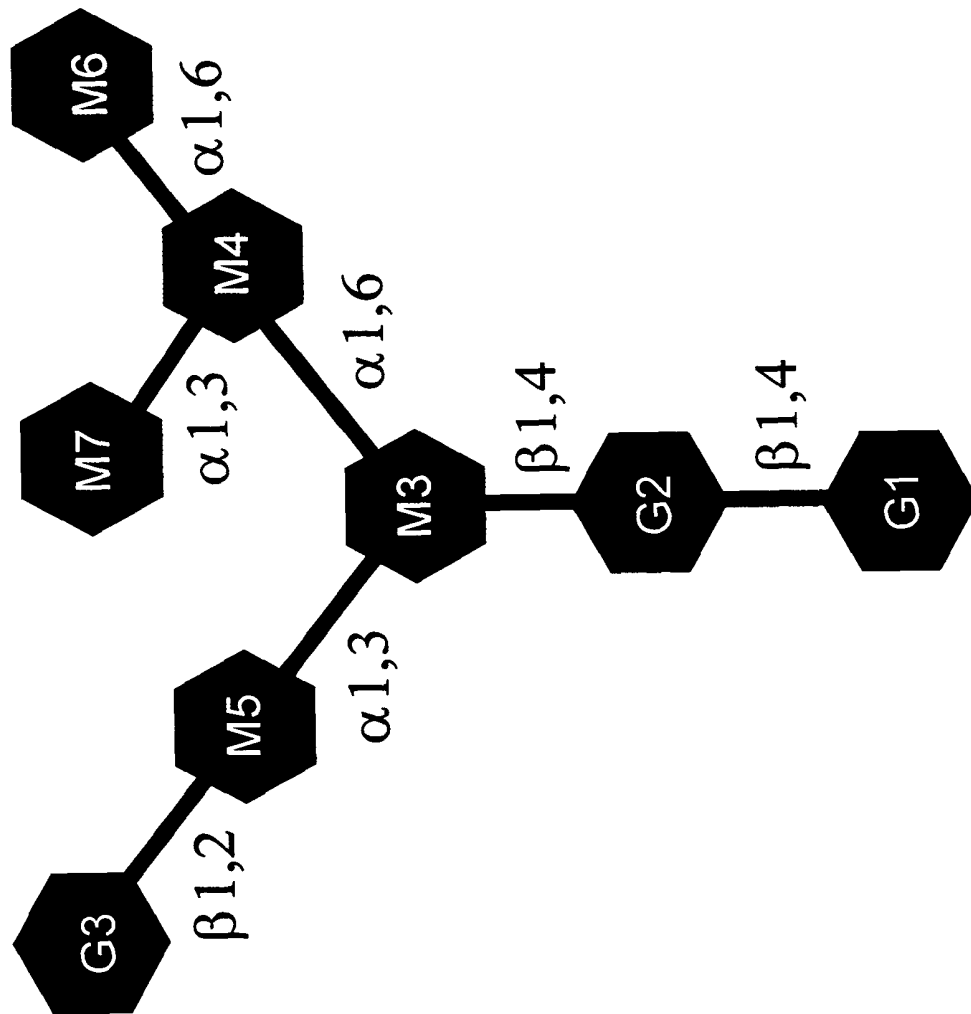
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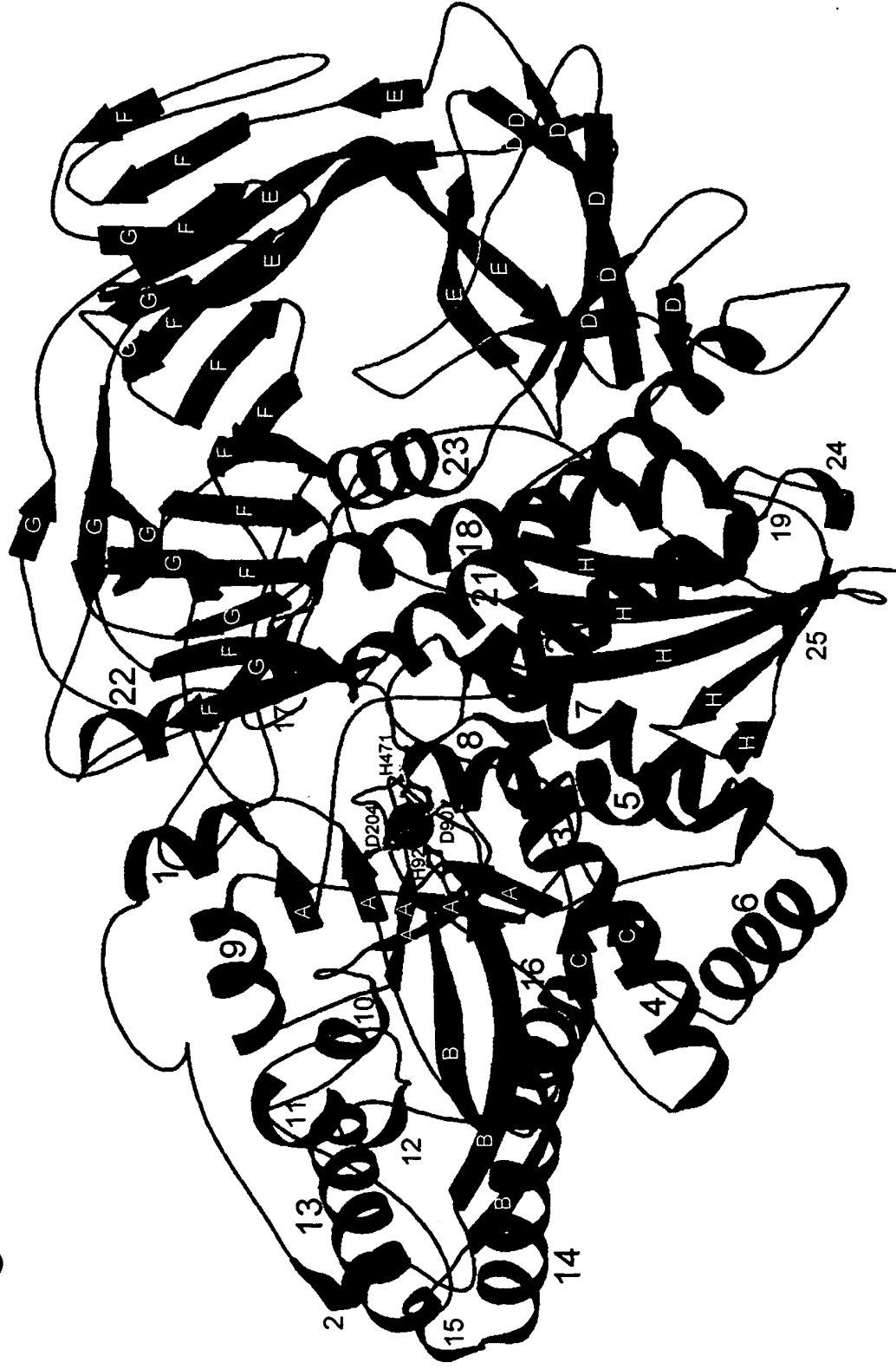
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Figure 8A



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Figure 8B



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Figure 8C



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Figure 9B



Figure 10A

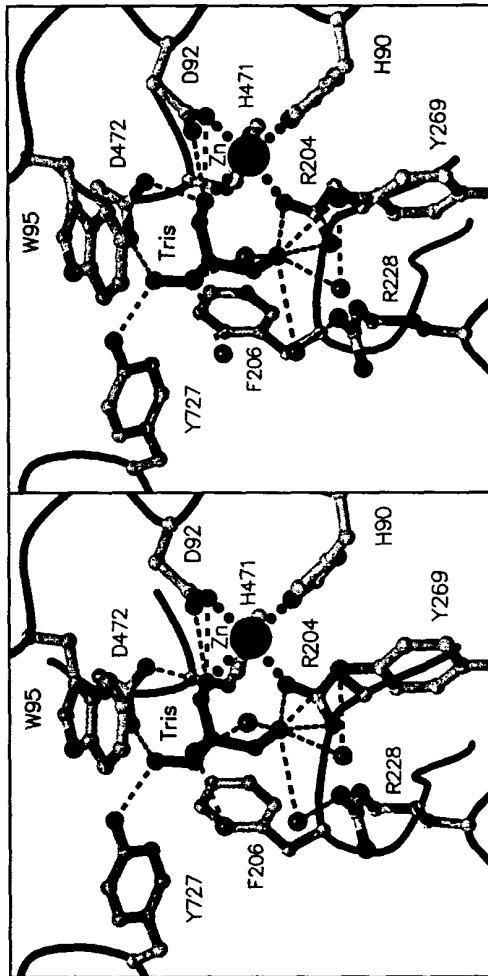


Figure 10B

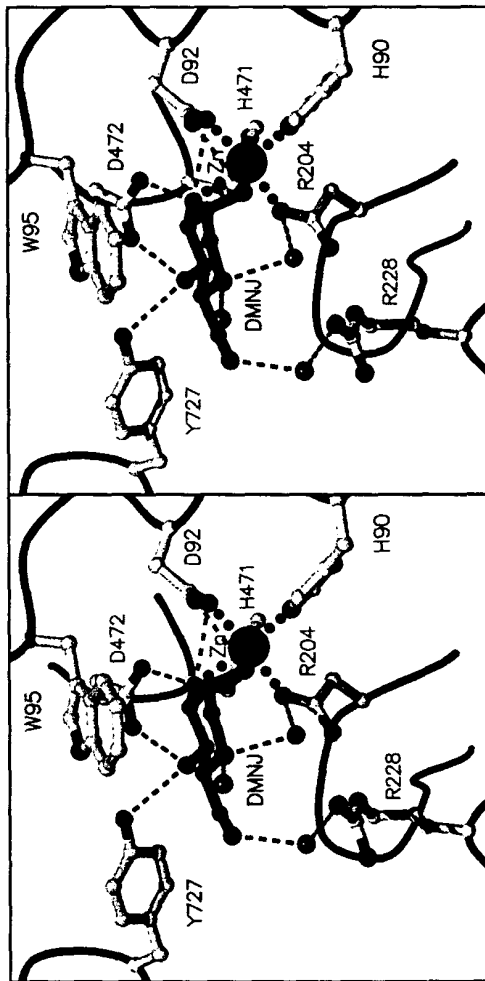


Figure 10C

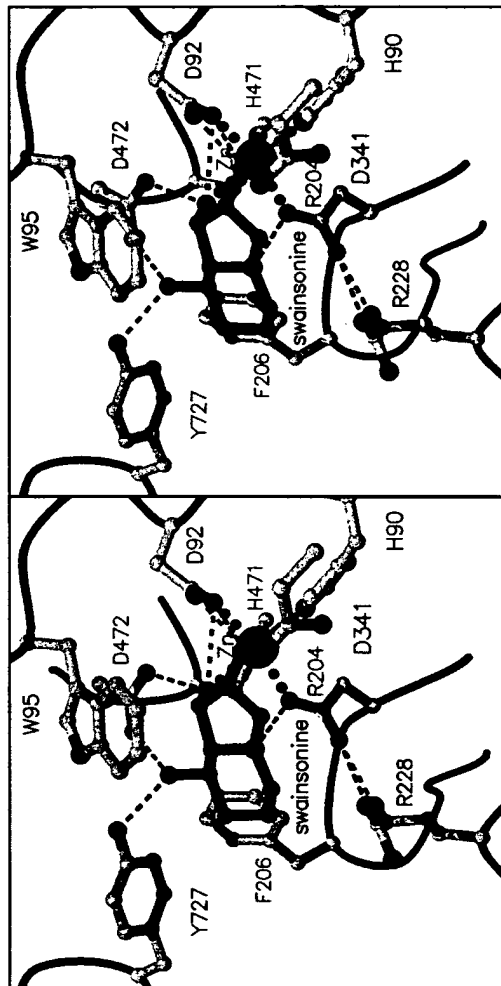
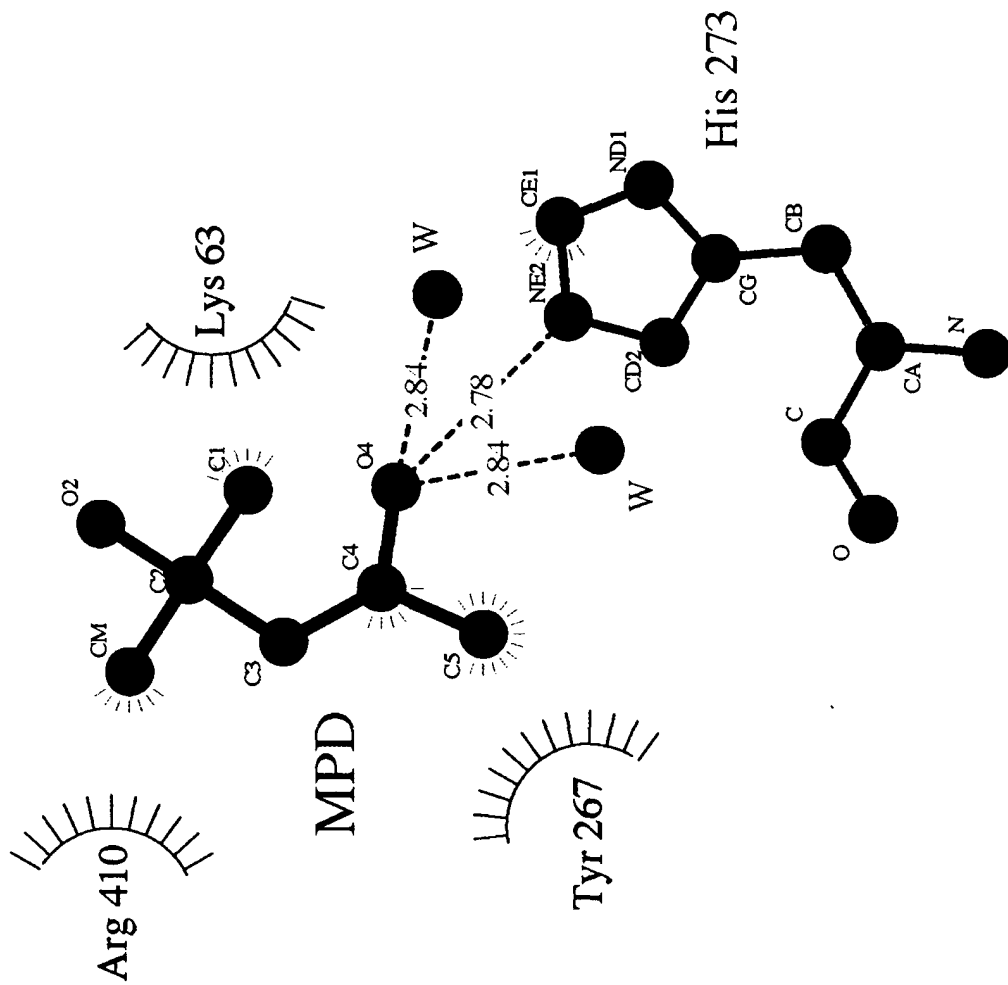


Figure 11A





Chemical structure diagram

09960226-011502

Figure 11C



205710-92209660